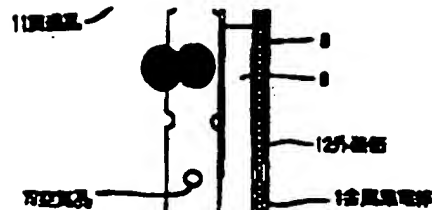


battery which is excellent in a leakage liquid resistant characteristic, particularly in a leakage liquid resistant characteristic in overdischarge and is excellent in a discharge characteristic and a short-circuit current characteristic, and a manufacturing method therefor.

SOLUTION: In a cylindrical air battery 70 in which a separator and a negative electrode mix are arranged



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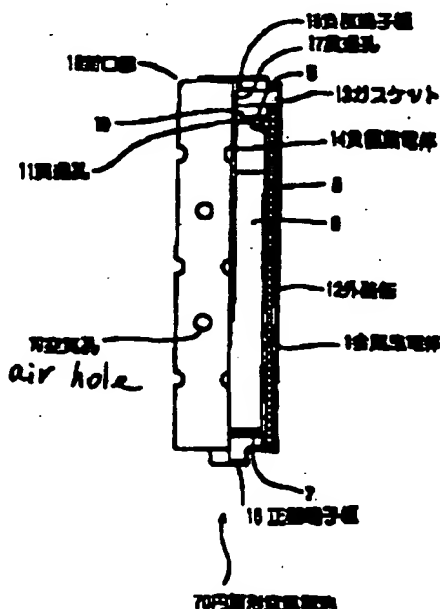
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(54) CYLINDRICAL AIR BATTERY AND MANUFACTURE THEREFOR

(57) Abstract

PROBLEM TO BE SOLVED: To provide a cylindrical air battery which is excellent in a leakage liquid resistant characteristic, particularly in a leakage liquid resistant characteristic in overdischarge and is excellent in a discharge characteristic and a short-circuit current characteristic, and a manufacturing method therefor.

SOLUTION: In a cylindrical air battery 70 in which a separator and a negative electrode mix are arranged inside a hollow cylindrical air electrode composed of a catalyst layer having oxygen gas reducing capacity, a metallic current collecting body and a water repellent film and which is formed by being sealed by using a sealing member having an air taking-in hole, both ends of the cylindrical air electrode are formed as the opening ends. The opening ends are sealed by a metallic sealing member having an opening end sandwiching structure along the circumference of the opening ends after the separator 8 and the negative electrode mix 9 are arranged inside the cylindrical air electrode, and the cylindrical air battery is constituted. The metallic sealing member is brought into pressure contact with the metallic current collecting body 1 being a constitutive member of the hollow cylindrical air electrode, and is also brought into pressure contact with a conductive enclosing can 12, and the enclosing can 12 is also connected to a positive electrode terminal assembly 16, and an electric current of a positive electrode is collected. In the opening end sandwiching structure of the metallic sealing member, its cross-sectional shape is formed in a one side opening hollow square shape or a U shape.



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